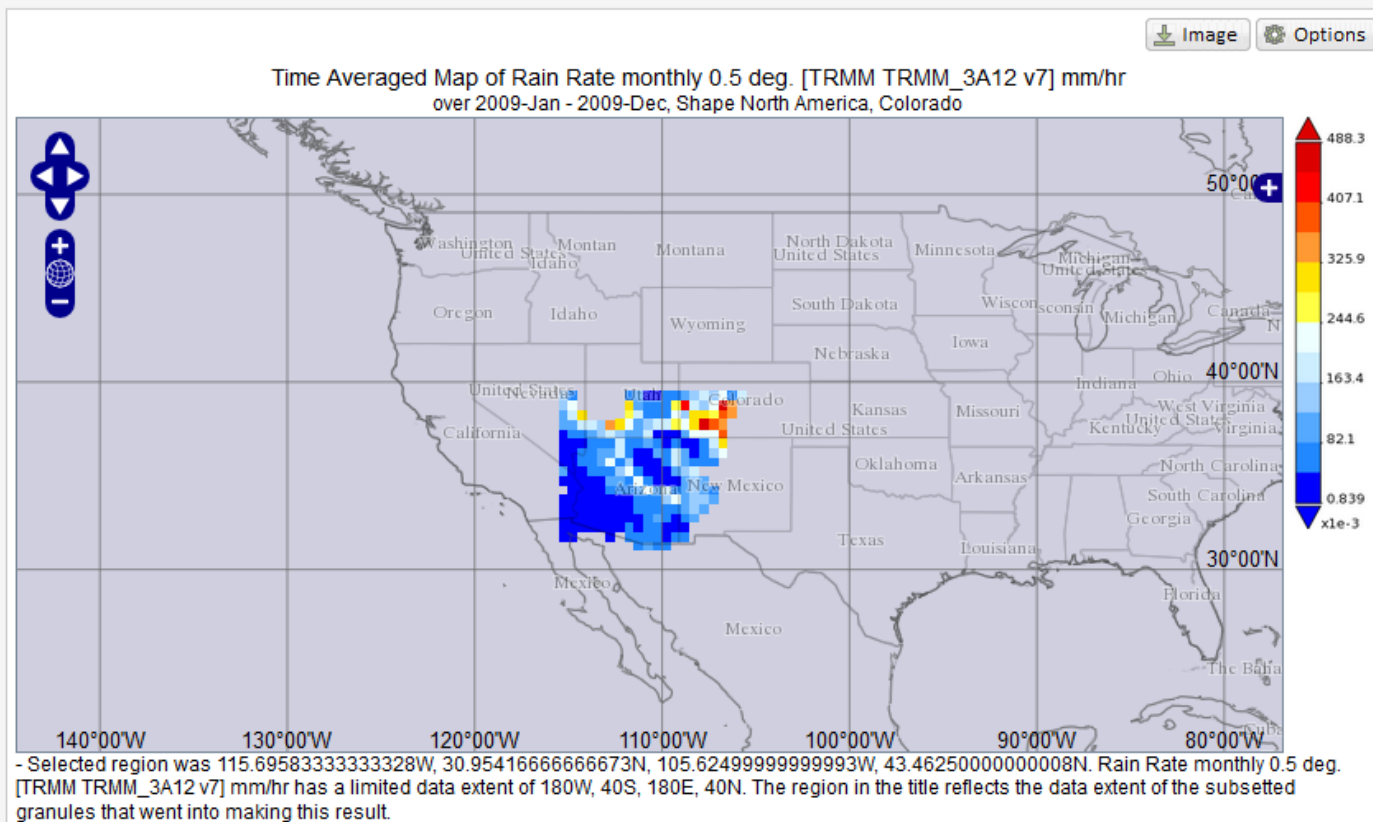


Using the replotting options in **Giovanni-4**

The following slides demonstrate how to use replotting options for maps with the Giovanni-4 interface

This is the initial result page for a map of rain rate in the Colorado River watershed averaged over the year 2009. (This is not the final image download.) The next steps will show how this image can be refined with Re-Plot options

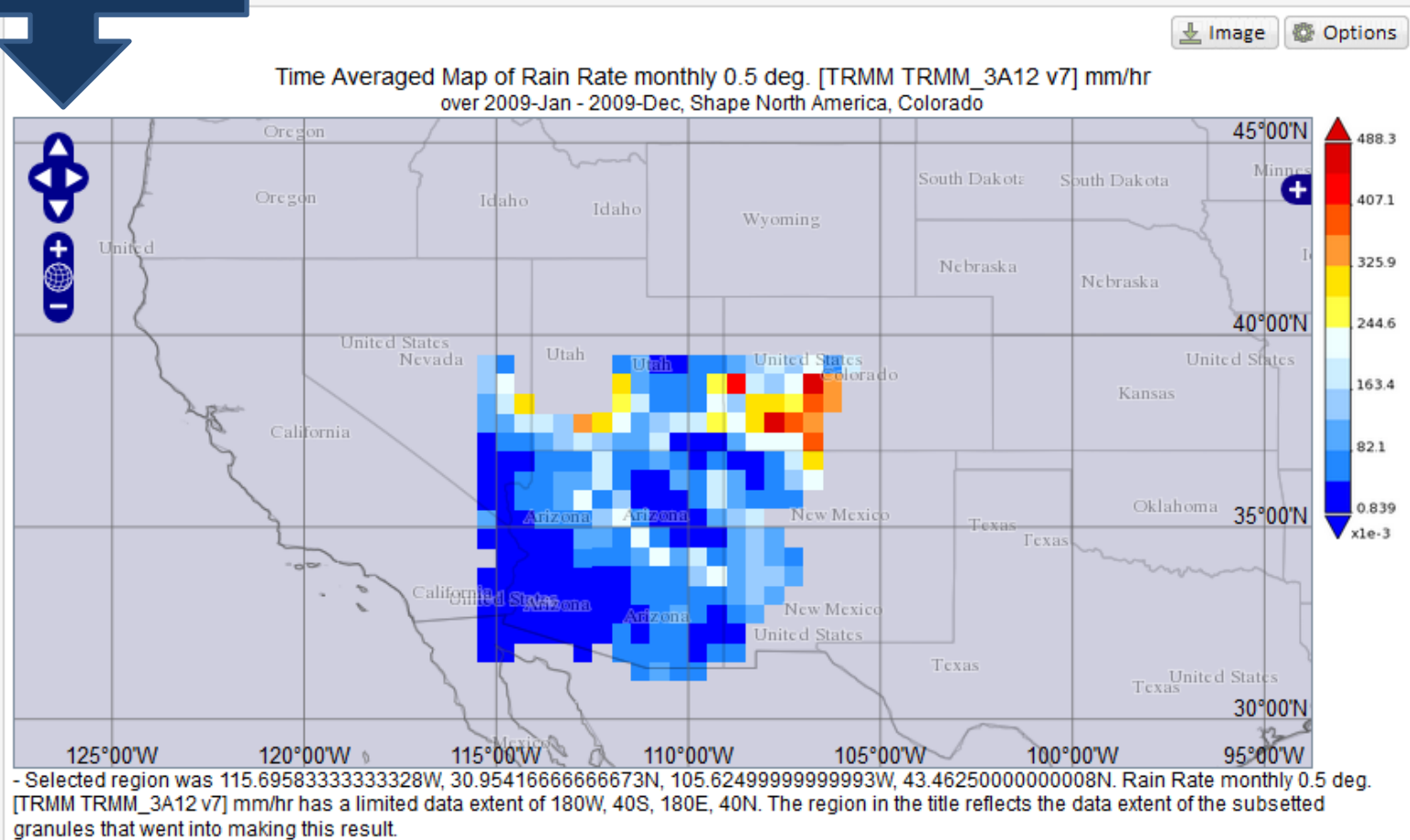
1. Time Averaged Map



First, zoom in to see the map better.

Zoom and move
controls

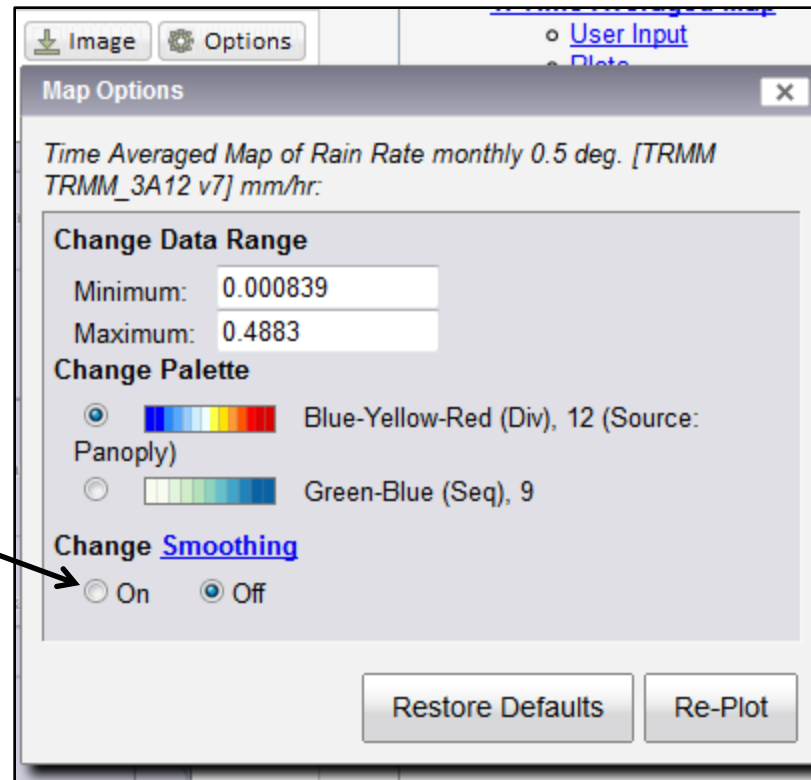
1. Time Averaged Map



**Next, click on the “Options” button to see the replotting options.
There are replotting options for:**

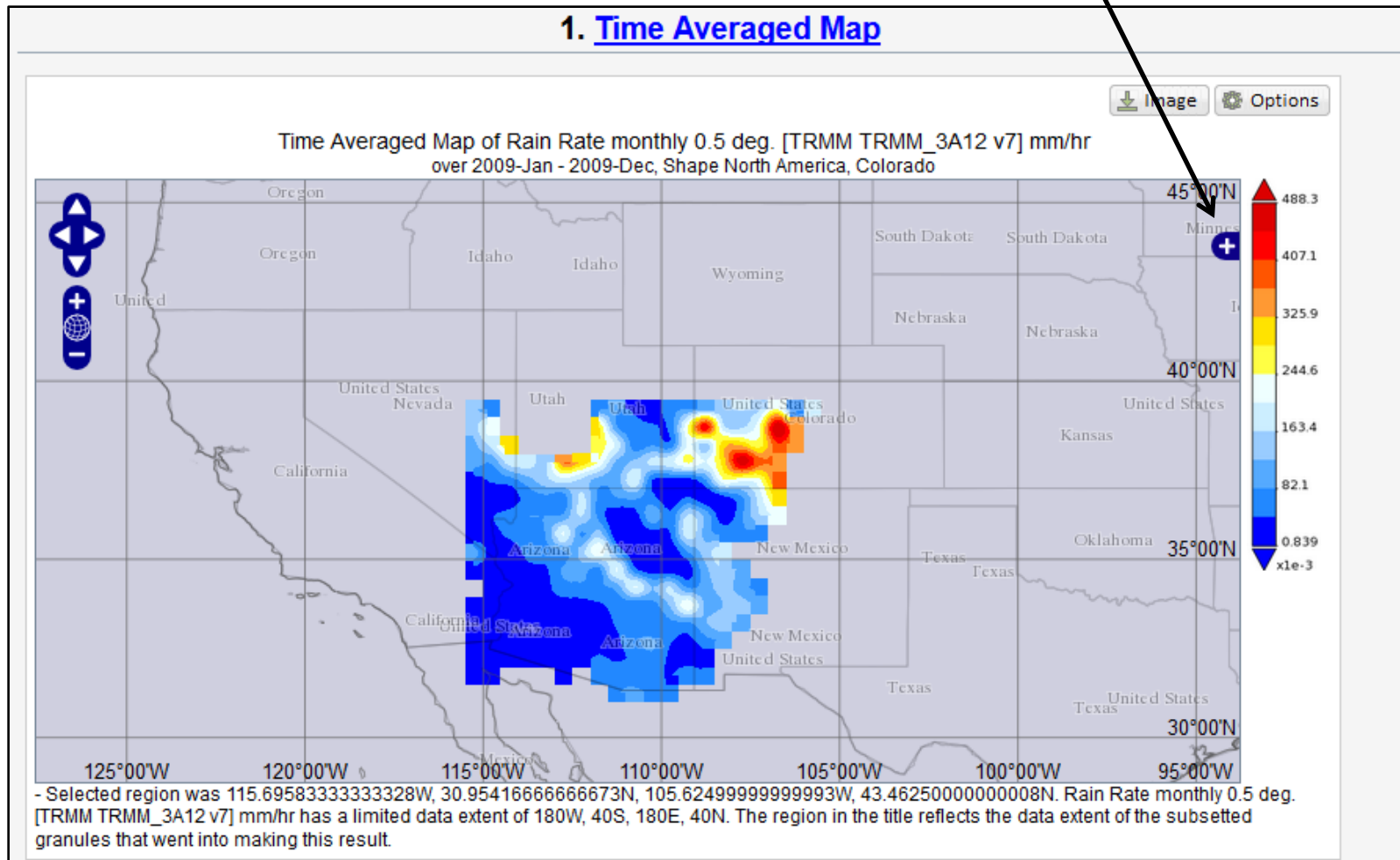
- **Smoothing**
- **Color Palettes**
- **Data Range**

**First, turn on
Smoothing.**

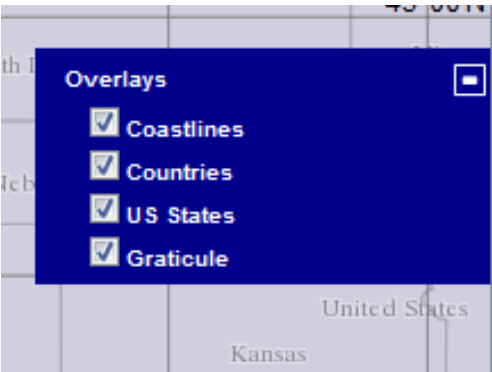


Here is the result with Smoothing turned on.

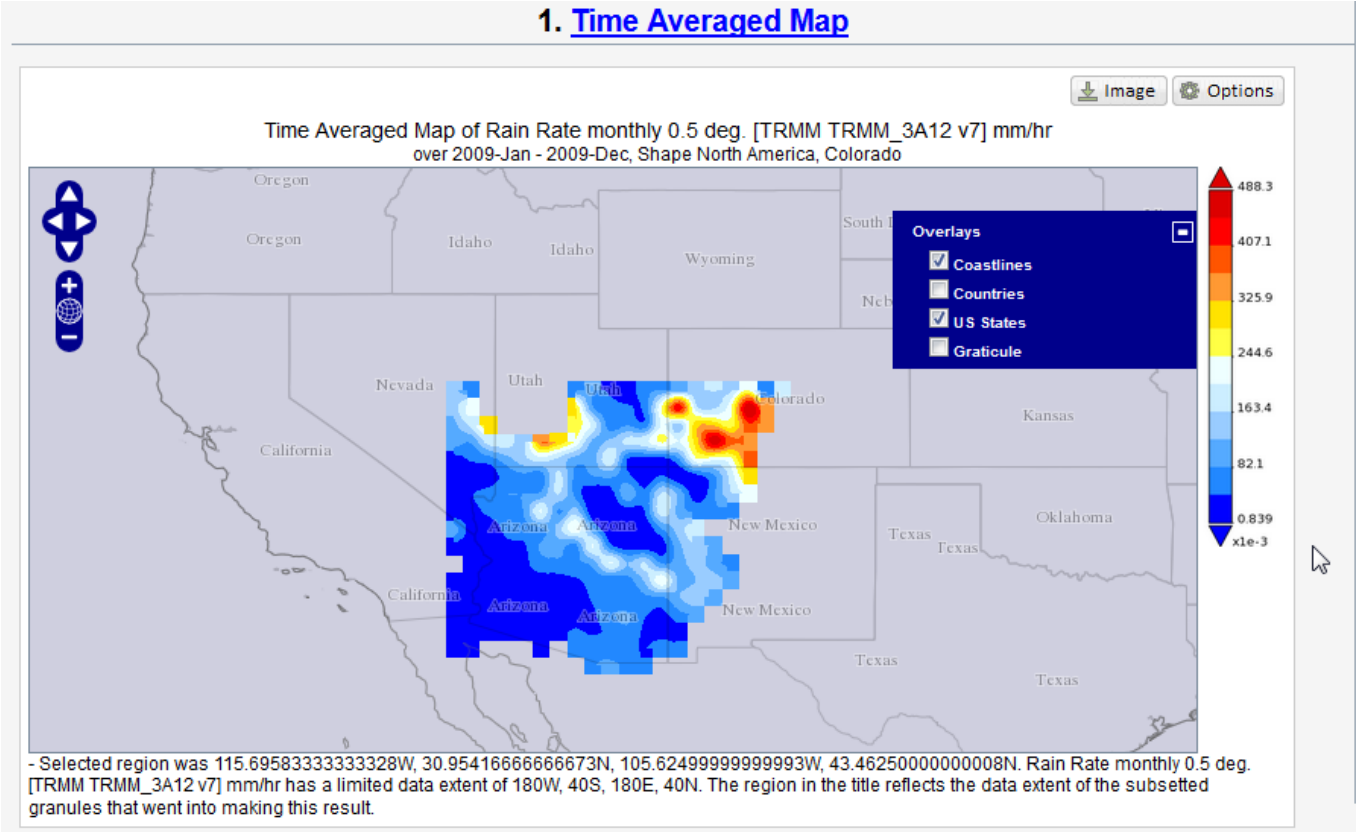
To remove some of the labels, click the “+” sign.



The label options are Coastlines, Countries, US States, and Graticule (grid).



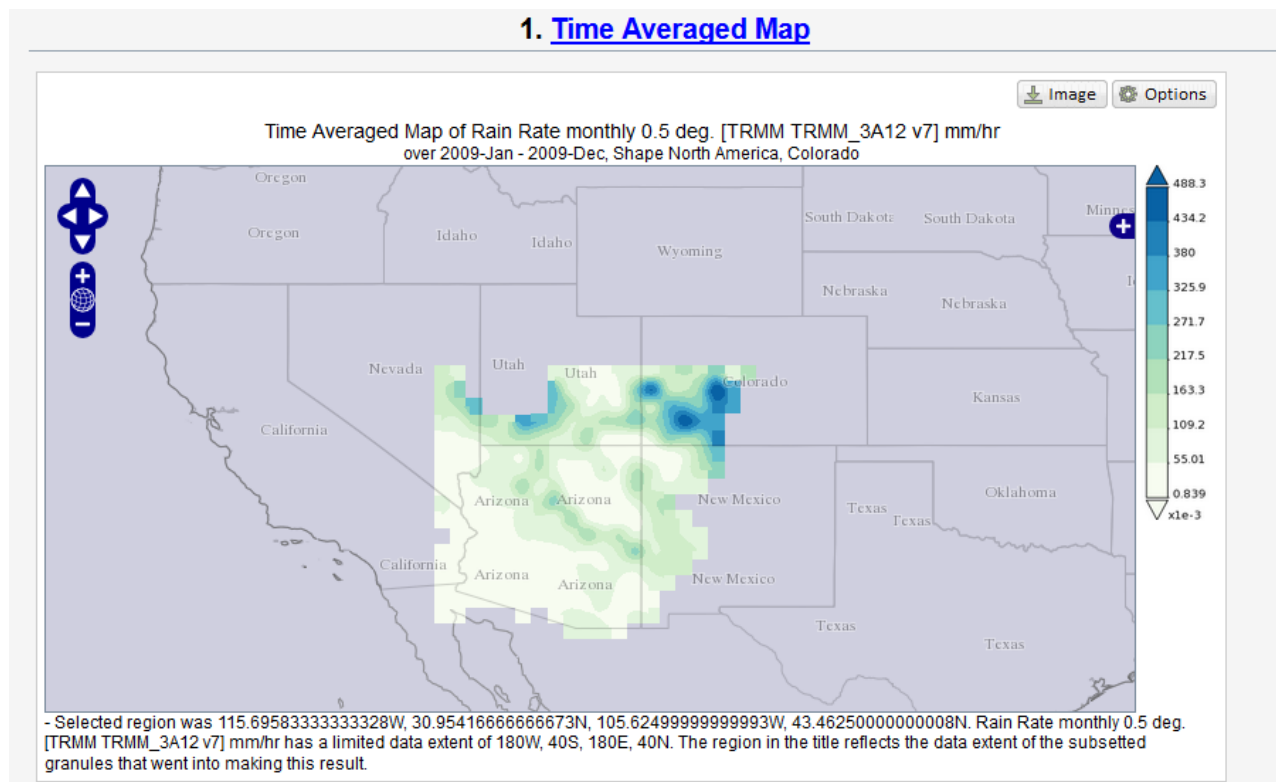
Turning off “Countries” and “Graticule” improves the plot:



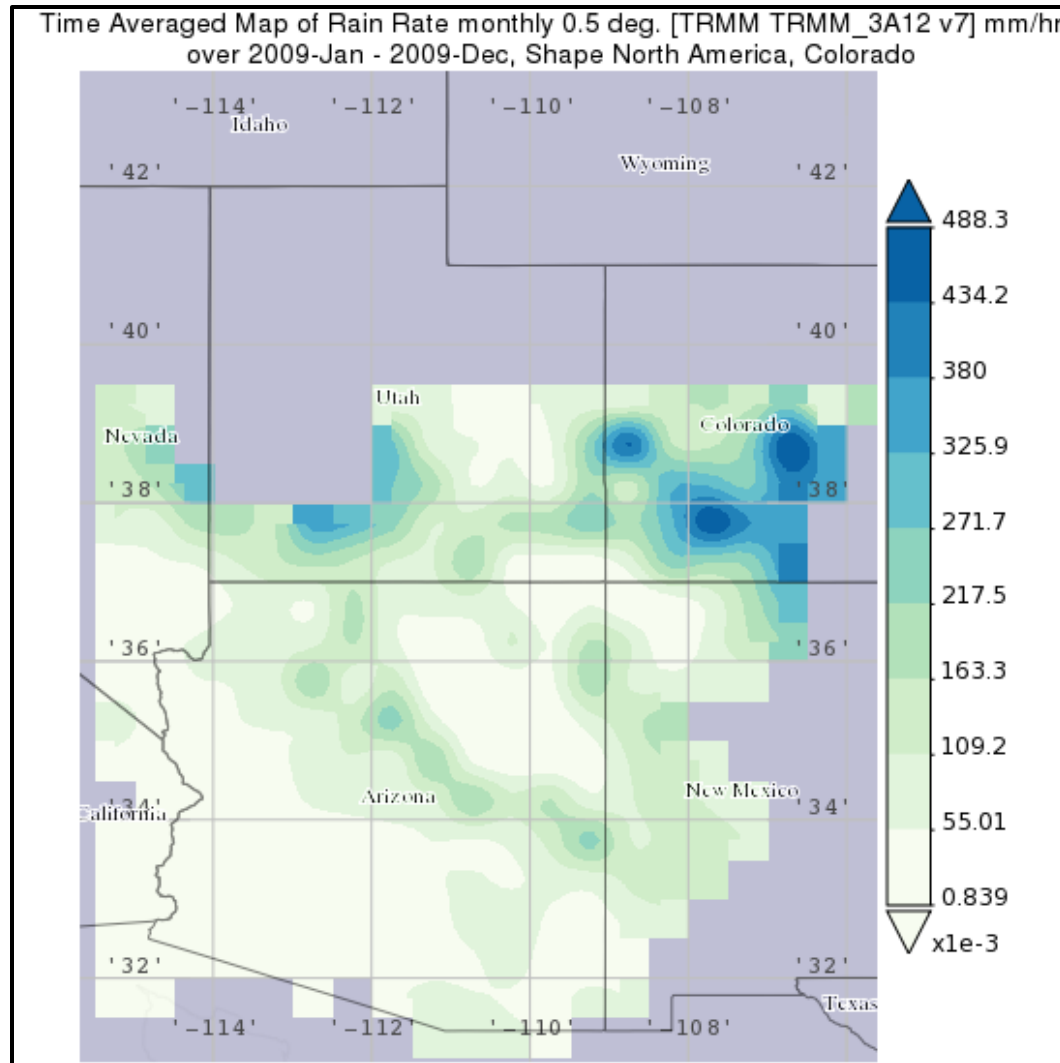
The last thing shown here is changing the color palette. The data range can also be changed with different maximum, minimum (or both) values.

In the near future, many more color palette options will be available to users.

Here, we show the current alternate color palette for Rain Rate.



The last step is to download the image as a PNG format file and crop it with an image editor.



**End
of
demonstration**